

Biologist - NCI - CR – DE

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GS-0401-12/12

\$73,100-\$95,026

Health And Human Services/National Institutes of Health

Bethesda

08/21/2009

Conduct experimental studies or part of a study by performing complex procedures and techniques which may include, but are not limited to, the following: isolation and purification of monoclonal antibodies, radioimmunoassay, protein analysis, protein refolding and DNA replication, protein purification, radioactive labeling of proteins in vitro and vivo, DNA extraction and purification, high pressure liquid chromatography, column chromatography, mass spectrophotometry, peptide synthesis, immunoprecipitation, enzyme linked immunoabsorbant assay, cell/tissue culture, and thorough in-depth knowledge of preparation of biological material for examination using cryo-electron microscopy.

Calibrate and operate a variety of sophisticated laboratory instruments used to perform tests, analyses, and other laboratory procedures. Instruments may include, but are not limited to, the following: ultramicrotome and ancillary equipment for preparation of thin sections for electron microscopy, high resolution transmission and scanning electron microscopes, especially those equipped for operation with a field emission gun, and dual beam instruments that are equipped with focused ion beam and scanning electron beams.

Provide quality assurance and/or quality control procedures for the laboratory.

Analyze scientific data to provide written conclusions from experimental data for publication in manuscripts/abstracts/posters or other.

Present scientific data at seminars, laboratory meetings, poster sessions, conferences, and other venues.

Participate regularly in laboratory and other scientific meetings.